ES300 (EMBEDDED SERIES) *PRELIMINARY*

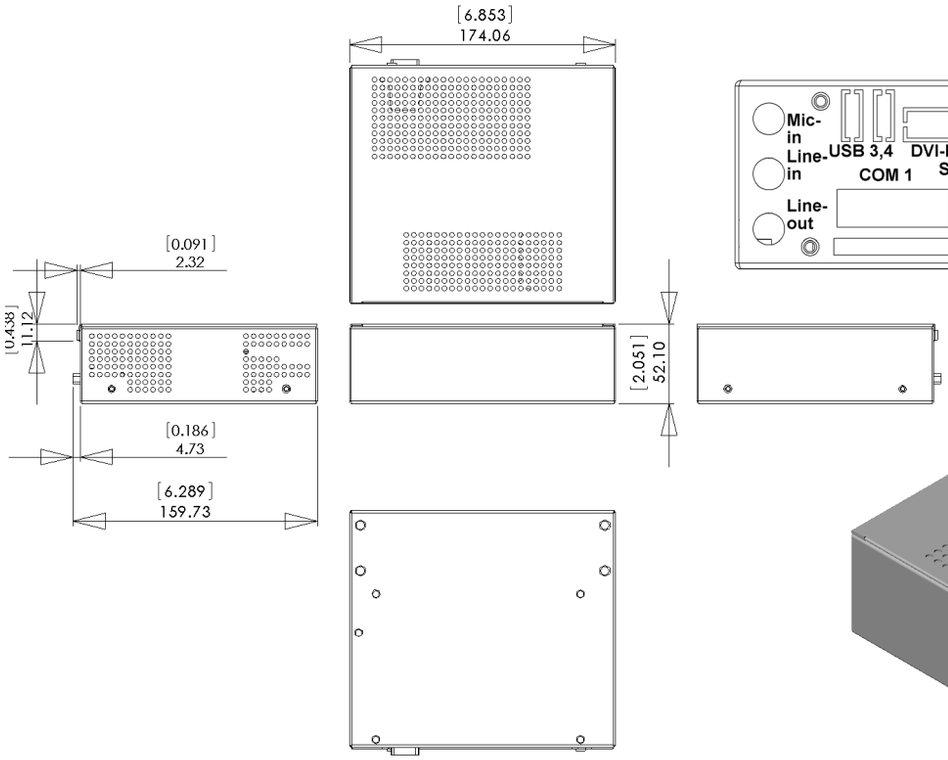
FEATURES & BENEFITS

> Ultra compact system design for use as stand alone or with mounting brackets
> Rear security CF card slot
> Supports Intel® Core 2 Duo processors
> High performance graphics and data processing support
> 1 x 2.5" shock-mounted HDD
> Supports dual independent display via VGA/DVI output
> Mini PCI slot
> DC power input

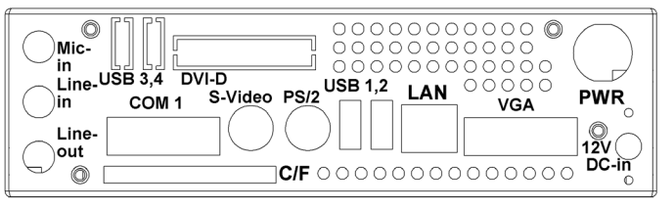
SYSTEM SPECIFICATIONS

MODEL ES300
MAIN BOARD DFI-ACP CT930-B
CPU Intel® Core 2 Duo, Duo/Solo, Celeron M mobile
CHIPSET Intel 945GME / ICH7M
MEMORY SO-DIMM up to 2GB (400 / 533 / 667)
HARD DRIVE 1 x 2.5" shockmounted HDD
COMPACT FLASH SLOT 1
GRAPHICS Integrated 2D/3D graphic engine
DISPLAY OUTPUT 1 x VGA, 1 x DVI-D
PS/2 1 x Keyboard / Mouse
LAN 1 x Gigabit LAN

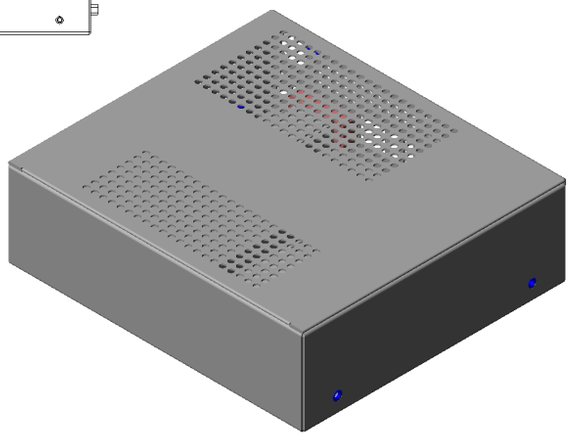
USB 4 x USB 2.0/1.1
DB-9 SERIAL PORT 1
AUDIO Realtek ALC655 Line-in, Line-out, Microphone
DIMENSIONS (WXDXH) unit:inch 6.853" (W) x 6.289" (H) x 2.05" (H)
POWER ADAPTER AC Input: 100 -240V; 1.6A, 50-60 Hz DC Output: 12V / 5A (60W)
OPERATING TEMPERATURE 0 to 45 Celsius under 10-90%RH
STORAGE TEMPERATURE -20 to 70 Celsius under 5-95%RH
WEIGHT 2.35LB W/O HDD, 2.6LB W/ HDD
MOUNTING OPTIONS Standalone or Optional Mounting Brackets



DIMENSIONS



REAR PANEL EXTERNAL I/O LAYOUT



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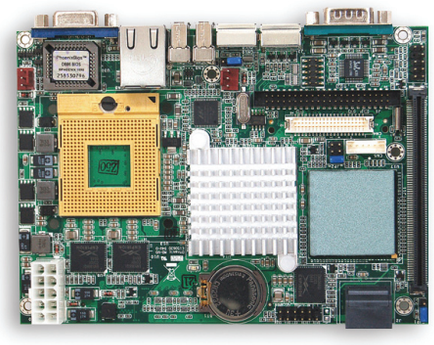
CT930-B

SYSTEM SPECIFICATIONS



PROCESSOR
- Intel® CoreTM Duo
  Solo mobile processor
  Intel® CoreTM 2 Duo mobile processor
  Intel CoreTM processor-based Celeron®
  M 65nm mobile processor
  - 667MHz/533MHz Front Side Bus
- Processor socket: mPGA478M

Note: Ultra Low Voltage (ULV) and Low Voltage (LV) processor is available on special order.

CHIPSET
- Intel® chipset
  - Intel® 945GME Express chipset
  - Intel® 82801GBM I/O Controller Hub (ICH7M)

SYSTEM MEMORY
- One 200-pin SODIMM socket
- Supports 400MHz, 533MHz and 667MHz DDR2 SDRAM
- Supports maximum of 2GB system memory using 256Mbit, 512Mbit or 1Gbit technology for x8 and x16 devices

BIOS
- Award BIOS
- 4Mbit flash memory

ENERGY EFFICIENT DESIGN
- Supports ACPI specification and OS Directed Power Management
- Wake-On-Events include:
  - Wake-On-PS/2 Keyboard/Mouse
  - Wake-On-USB Keyboard/Mouse
  - Wake-On-LAN and Wake-On-Ring
  - RTC timer to power-on the system
- System power management supported
- CPU stopped clock control
- Microsoft®/Intel® APM 1.2 compliant
- Soft Power supported - ACPI v1.0a specification
- AC power failure recovery

DAMAGE FREE INTELLIGENCE
- Monitors CPU/system temperature and overheat alarm
- Monitors CPU/system fan speed and failure alarm
- Read back capability that displays temperature, voltage and fan speed

ONBOARD GRAPHICS FEATURES
- Integrated graphics interface
  - Analog CRT
  - Integrated 400MHz RAMDAC
  - Analog monitor supports up to UXGA
  - LVDS interface
  - Panel support up to UXGA (1600x1200)
  - 25MHz-112MHz single/dual channel @ 18bpp, TFT panel type support
- Internal graphics features
  - DVMT 3.0 support
  - Intel® Dual-Frequency Graphics Technology
  - Intel® Smart 2D Display Technology
  - Dual Independent display pipes
  - Intel Gen 3.5 Integrated Graphics Engine

ONBOARD AUDIO FEATURES
- Realtek ALC655
- 16-bit stereo full-duplex codec with independent variable sampling rate
- 5.1-channel audio output

ONBOARD LAN FEATURES
- One Marvell 88E8053 PCI Express Gigabit controller
- Supports 10Mbps, 100Mbps and 1Gbps data transmission
- IEEE 802.3 (10/100Mbps) and IEEE 802.3ab (1Gbps) compliant

SERIAL ATA INTERFACE
- Supports two Serial ATA interfaces which are compliant with SATA 1.0 specification (1.5Gbps interface)

I/O PORTS
- 1 DB-15 VGA port
- 1 RJ45 LAN port
- 2 USB 2.0/1.1 ports
- 1 port for PS/2 keyboard and PS/2 mouse ports
- 1 DB-9 serial port
- 2 Serial ATA ports

I/O CONNECTORS
- 1 CompactFlash socket
- 1 connector for 1 external serial port
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 audio connector for mic-in, line-in and line-out jacks
- 1 44-pin IDE connector
- 1 10-pin ATX power connector (1 10-to-20 ATX power cable)
- 1 front panel connector
- 2 fan connectors

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